

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. - 17. (Canceled)

18. (Currently Amended) A flame-retardant system for polymers, the system being resistant to discoloration and degradation upon exposure to temperatures of about 200°C or greater, the system comprising:

a phosphorus-based compound, the phosphorus-based compound comprising being esters and or salts of phosphoric, phosphinic and phosphonic acids: [[.]]

the phosphorus-based compound impregnated on a porous solid support, the support comprising silica, alumina, silica/alumina, sodium silicoaluminate, calcium silicate, magnesium silicate, zirconia, magnesium oxide, calcium oxide, cerium oxide or titanium oxide;

the system further comprising and at least one stabilizing compound which is a scavenger of acid functional groups group and melamine condensation products and/or derivatives, the system comprising 30% to 80% with a ratio by weight of the stabilizing compound relative to the amount of phosphorus-comprising compound from 30% to 80%.

19. (Previously Presented) The flame-retardant system defined by Claim 18, wherein the phosphorus-comprising compound is bis[(5-ethyl-2-methyl-2-oxide-1,3,2-dioxaphosphorinan-5-yl)methyl] ester of methylphosphonic acid, alone or as a mixture with the methyl and (5-ethyl-2-methyl-2-oxide-1,3,2,-dioxaphosphorinan-5-yl)methyl ester of methylphosphonic acid, resorcinol bis(diphenyl phosphate), bisphenol A bis(diphenyl phosphate), polyphosphate esters, diethylphosphinic acid,

ethylmethylphosphinic acid, methyl(n-propyl)phosphinic acid, or their mixtures, esters and salts.

20. (Previously Presented) The flame-retardant system defined by Claim 19, wherein the stabilizing compound is an alkali metal carbonate, alkaline earth metal carbonate, hydrotalcite or aluminosilicate.

21. (Previously Presented) The flame-retardant system defined by Claim 18, wherein the stabilizing compound is a melamine condensation product.

22. (Previously Presented) The flame-retardant system defined by Claim 21, wherein the melamine condensation product is melem, melam, melon, melamine cyanurate, phosphate or polyphosphate.

23. - 24. (Canceled)

25. (Previously Presented) The flame-retardant system defined by Claim 24, wherein the porous solid support is a silica.

26. (Currently Amended) A flame-retarded polymer-based composition, comprising a flame-retardant system comprising a phosphorus-based compound which is an ester or salt of phosphonic, phosphinic and phosphoric acids and at least one stabilizing compound which is a scavenger of acid functional group and melamine condensation derivatives, with ~~a ratio by weight~~ 30% to 80% by weight of the stabilizing compound relative to the amount of phosphorus-comprising compound ~~being from 30% to 80%.~~

27. (Previously Presented) The composition defined by Claim 26, wherein the phosphorus-comprising compound has a concentration by weight, expressed as weight of phosphorus, in the composition, of between 5% and 15% with respect to the total weight of the composition.

28. (Previously Presented) The composition defined by Claim 26, wherein the polymer is a thermosetting polymers, thermoplastic polymer or elastomer.

29. (Previously Presented) The composition defined by Claim 28, wherein the thermoplastic polymer is a polyolefin, polyamide, polyester, polycarbonate, styrene polymer, polyurethane, or polyepoxide.

30. (Previously Presented) The composition defined by Claim 29, wherein the thermoplastic polymer is polyamide 6/11, 4/6, 66/6, 6/66, 11, 12, 4, 6, 6.6, 6;9, 6;19, 6.12, 6.18, 6.36; or a branched polyamide.

31. (Previously Presented) The composition defined by Claim 29, wherein the thermoplastic polymer is poly(ethylene terephthalate), poly(propylene terephthalate), poly(butylene terephthalate), or poly(1,4-dimethylcyclohexane terephthalate).

32. (Previously Presented) The composition defined by Claim 26, further comprising bulking fillers, reinforcing fillers, additives for heat or light stabilization, moulding aids or lubricants.

33. (Previously Presented) The composition defined by Claim 26, wherein the phosphorus-comprising compound is impregnated on a porous solid support.

34. (Previously Presented) The composition defined by Claim 33, wherein the porous solid support is silica, alumina, silica/alumina, sodium silicoaluminate, calcium silicate, magnesium silicate, zirconia, magnesium oxide, calcium oxide, cerium oxide or titanium oxide.

35. (Previously Presented) The composition defined by Claim 34, wherein the porous solid support is a silica.